

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 08/07/2018 10:51 AM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80291 **Expiration Date:** 02/29/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125801	0	1.77	125869	1.73
Blue	F	SSC	125000	124612	-1	2.23	125321	2.24
Blue	E	FITC	15760	15515	-2	3.01	334	22.24
Blue	D	PE	25880	25348	-3	2.14	550	16.89
Blue	B	PerCP-Cy5-5	34075	33988	-1	4.31	1036	22.72
Blue	A	PE-Cy7	22776	23000	0	7.39	551	44.18
Red	C	APC	42488	41483	-3	2.72	1566	13.16
Red	A	APC-Cy7	24478	24122	-2	2.82	826	13.11
Violet	B	V450	6304	6147	-3	4.53	344	17.53
Violet	A	V500	26005	24981	-4	4.15	585	13.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20791	8.18	608	11	N/A	N/A	Pass
Blue	F	SSC	56680	1.65	577	22	N/A	N/A	Pass
Blue	E	FITC	58	74.13	562	6	0.0162	195	Pass
Blue	D	PE	115	57.16	555	6	0.1235	277	Pass
Blue	B	PerCP-Cy5-5	197	56.38	654	7	0.0075	111	Pass
Blue	A	PE-Cy7	110	108.85	708	11	0.0097	29	Pass
Red	C	APC	367	28.51	602	2	0.0209	202	Pass
Red	A	APC-Cy7	203	28.28	574	3	0.0045	690	Pass
Violet	B	V450	54	81.30	499	10	0.0291	2503	Pass
Violet	A	V500	87	49.42	515	9	0.0128	1411	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.89	-31.51	0.89
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.39
Red	17.40	13.60 - 20.40	N/A	N/A	31.61	31.90	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13865

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments